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Eight new combinations and a replacement name in the genus *Hygrocybe*

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Abstract — Eight invalidly published combinations and one nomen novum in the genus *Hygrocybe* are validated in this paper.

Key words — *Hygrophorus*, valid publication

In Waxcap Mushrooms of Eastern North America (Bessette et al. 2012), eleven *Hygrophorus* names were invalidly transferred into the genus *Hygrocybe* because they lacked full and direct basionym references. Three of these eleven taxa (*H. murina*, *H. conica* var. *atrosanguinea* and *H. pratensis* var. *robusta*) had previously been validly combined by Malloch (2010). The remaining eight combinations are validated here. According to current interpretations of *Hygrocybe* by Bon (1976), Pegler (1983), Singer (1986), Young & Wood (1997), Young (2005), and Boertmann (2010), all these taxa should be transferred based on both their macroscopic characters and micromorphology.

It should, however, be noted that the genus *Hygrocybe* currently is under revision based on molecular information, and that significant changes in the taxonomy are expected (Lodge et al. 2006, Boertmann 2010).

Each of the taxa for which we propose a new combination has slender basidia, parallel to interwoven hymenophoral trama, and a pileipellis that is a cutis. Several of these taxa have been cited as *Hygrocybe* species in mushroom club newsletters and species lists as well as in the literature (e.g., Arora 1986, Barron 1999) without a valid combination (Boertmann 2002). In accordance with the rules of the International Code of Nomenclature for algae, fungi, and plants (McNeill et al. 2012), we propose the following eight new combinations and one avowed substitute (nomen novum):

Hygrocybe americana Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **nom. nov.**
MycoBank MB801106
≡ *Hygrophorus acutus* A.H. Sm. & Hesler, Lloydia 5: 57. 1942.
non *Hygrocybe acuta* F.H. Møller 1945

Hygrocybe atro-olivacea (A.H. Sm. & Hesler) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801107
≡ *Hygrophorus atro-olivaceus* A.H. Sm. & Hesler, Sydowia 8: 326. 1954.

Hygrocybe auratocephala (Ellis) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801108
≡ *Agaricus auratocephalus* Ellis, Bulletin of the Torrey Botanical Club 6: 75. 1876.

Hygrocybe basidiosa (Peck) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801109
≡ *Clitocybe basidiosa* Peck, Bulletin of the New York State Museum of Natural History 1(2): 5. 1887.

Hygrocybe marginata var. ***concolor*** (A.H. Sm.) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801110
≡ *Hygrophorus marginatus* var. *concolor* A.H. Sm., Papers of the Michigan Academy of Science, Arts and Letters 38: 59. 1953.

Hygrocybe marginata var. ***olivacea*** (A.H. Sm. & Hesler) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801111
≡ *Hygrophorus marginatus* var. *olivaceus* A.H. Sm. & Hesler, Lloydia 5: 40. 1942.

Hygrocybe recurvata (Peck) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801112
≡ *Hygrophorus recurvatus* Peck, New York State Museum Bulletin 157: 28. 1912.

Hygrocybe subaustralis (A.H. Sm. & Hesler) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801113
≡ *Hygrophorus subaustralis* A.H. Sm. & Hesler, Lloydia 5: 46. 1942.

Hygrocybe tahquamenonensis (A.H. Sm. & Hesler) Bessette, A.R. Bessette, Roody & W.E. Sturgeon, **comb. nov.**
MycoBank MB801114
≡ *Hygrophorus tahquamenonensis* A.H. Sm. & Hesler, Sydowia 8: 331. 1954.

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